NEW STREETLIGHT SERVICE PEDESTAL CIRCUIT 'C'

STREETLIGHT CIRCUIT 'C2' CAPACITY VERIFICATION

LOCATION: SOUTHEAST ENTRANCE	
SERVICE PEDESTAL CAPACITY	125 AMPS
CIRCUIT BREAKER	60 AMPS
MAXIMUM ALLOWABLE DRAW (0.80) X 60 AMPS	48 AMPS
EXISTING CIRCUIT LOAD	0 AMPS
PROPOSED LUMINAIRE LOAD TO CIRCUIT	
42 EA – 100 WATT @ 1.0 AMPS EACH	42.0 AMPS
TOTAL PROPOSED LOAD	42.0 AMPS
EXISTING PLUS PROPOSED LOAD	42.0 AMPS
REMAINING AVAILABLE LOAD	6.0 AMPS

STREETLIGHT CIRCUIT 'C3' CAPACITY VERIFICATION

LOCATION: SOUTHEAST ENTRANCE	
SERVICE PEDESTAL CAPACITY	125 AMPS
CIRCUIT BREAKER	60 AMPS
MAXIMUM ALLOWABLE DRAW (0.80) X 60 AMPS	48 AMPS
EXISTING CIRCUIT LOAD	0 AMPS
PROPOSED LUMINAIRE LOAD TO CIRCUIT	
39 EA – 100 WATT @ 1.0 AMPS EACH	39.0 AMPS
TOTAL PROPOSED LOAD	39.0 AMPS
EXISTING PLUS PROPOSED LOAD	39.0 AMPS
REMAINING AVAILABLE LOAD	9.0 AMPS

NEW STREETLIGHT SERVICE PEDESTAL CIRCUIT 'D'

STREETLIGHT CIRCUIT 'D2' CAPACITY VERIFICATION

LOCATION: PHASE 2 BETWEEN LOT 604 & 605 IN CULDESAC	
SERVICE PEDESTAL CAPACITY	125 AMPS
CIRCUIT BREAKER	60 AMPS
MAXIMUM ALLOWABLE DRAW (0.80) X 60 AMPS	48 AMPS
EXISTING CIRCUIT LOAD	0 AMPS
PROPOSED LUMINAIRE LOAD TO CIRCUIT	
39 EA – 100 WATT @ 1.0 AMPS EACH	39.0 AMPS
TOTAL PROPOSED LOAD	39.0 AMPS
EXISTING PLUS PROPOSED LOAD	39.0 AMPS
REMAINING AVAILABLE LOAD	9.0 AMPS

STREETLIGHT CIRCUIT 'D3' CAPACITY VERIFICATION

LOCATION: PHASE 2 BETWEEN LOT 604 & 605 IN CULDESAC	
SERVICE PEDESTAL CAPACITY	125 AMPS
CIRCUIT BREAKER	60 AMPS
MAXIMUM ALLOWABLE DRAW (0.80) X 60 AMPS	48 AMPS
EXISTING CIRCUIT LOAD	0 AMPS
PROPOSED LUMINAIRE LOAD TO CIRCUIT	
39 EA – 100 WATT @ 1.0 AMPS EACH	39.0 AMPS
TOTAL PROPOSED LOAD	39.0 AMPS
EXISTING PLUS PROPOSED LOAD	39.0 AMPS
REMAINING AVAILABLE LOAD	9.0 AMPS

LIGHTING CONSTRUCTION NOTES

1. INSTALL 100W HPS LUMINAIRE PER DET. NO. 314 ON SHT DTS
2. INSTALL 1 1/4" STREETLIGHT CONDUIT AND WIRE PER DET. NO. 501 ON SHT DTS
3. INSTALL 125 AMP SERVICE PEDESTAL PER DET. NOS. 330 & 331 ON SHT DTS
4. INSTALL PULL BOX PER DET. NOS. 326 & 328 ON SHT DTS

TRAFFIC CONSTRUCTION NOTES

1. INSTALL W14-2 " NO OUTLET"
2. INSTALL "NO PARKING FIRE LANE SIGN" PER DETAIL THIS SHEET
3. INSTALL SIZE R2-1 (25 MPH) "SPEED LIMIT SIGN"
4. INSTALL 30" R1-1 "STOP SIGN" W/ (2) 9" D3 "STREET NAME SIGNS"
5. REMOVE EXISTING BARRICADE

NOTES:
ALL NOTES USED ON THIS SHEET
ALL SIGNAGE SHALL BE PER THE LATEST MUTCD MANUAL.

BASIS OF BEARINGS

NORTH 00°13'58" EAST – THE WEST LINE OF THE NORTHWEST QUARTER (NW 1/4) OF SECTION 02, TOWNSHIP 20 NORTH, RANGE 16 WEST, GILA & SALT RIVER BASE AND MERIDIAN, MOHAVE COUNTY, ARIZONA COORDINATE SYSTEM OF 1983 (2026-MG), WEST ZONE, INTERNATIONAL FOOT (IFT), UTILIZING FAST STATIC OBSERVATIONS PROCESSED BY NGS-OPUS.

M.C.S.D. "SD 32" – LATITUDE 35°09'22.70034"N. (NAD 83)
LONGITUDE 114°03'37.72817"W. (NAD 83)
HEIGHT 2382.463ft(ft) (NAVD88)

STONE 1/4 COR S/2 = LATITUDE 35°09'55.53395"N. (NAD 83)
LONGITUDE 114°03'37.72817"W. (NAD 83)
HEIGHT 2498.20456ft (NAVD88)

BENCHMARK

BENCHMARK: # "SD 34" M.C.S.D.
ELEVATION= 2580.24223 FT (NAVD 88)

DESCRIPTION: ALUM CAP 2" DIA. SET IN CONC. 65 FT. NORTHEAST OF THE SOUTH 1/4 CORNER OF SEC. 35, T. 21 N., R.18 W. AND THE INTERSECTION OF SHINARUMP DR. AND HOPE RD., STAMPED "SD 34 1999 RLS 15214"

DISCLAIMER NOTE

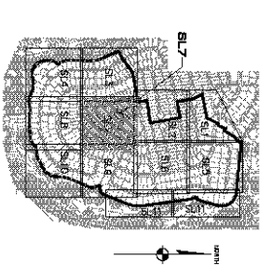
UTILITY LOCATIONS SHOWN HEREON ARE APPROXIMATE AND ARE FOR GENERAL REFERENCE ONLY. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE THE EXACT HORIZONTAL AND VERTICAL LOCATION OF ALL UNDERGROUND OR OVERHEAD UTILITIES PRIOR TO BEGINNING CONSTRUCTION. NO REPRESENTATION IS MADE THAT ALL UTILITIES ARE SHOWN HEREON. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR UTILITIES NOT SHOWN OR FOR THE INCORRECT LOCATION OF UTILITIES NOT SHOWN IN THEIR PROPER LOCATION.

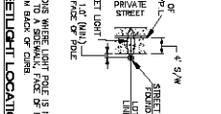
Arizona Blue Stake, Inc. — Dig before you Call — 1-800-782-5348 (1-800-STAKE-IT)
Arizona Underground Protection Center — Call before you Dig — 1-800-782-5348
Nevada One Call — Call before you Overhead — 1-800-227-2600 or 811

PRELIMINARY ISSUE FOR REVIEW
NOT FOR CONSTRUCTION 04/12/06

LEGEND

- 1 1/4" STREET LIGHT CONDUIT
- PROPOSED 100 W HPS LUMINAIRE
- NO. 5-1/2" PULL BOX
- SERVICE PEDESTAL
- PROPOSED STREET SIGNS
- PROPOSED STOP SIGN W/ (2) STREET NAME SIGNS
- PROPOSED BARRICADE





RHODES HOMES ARIZONA, LLC
GOLDEN VALLEY RANCH

AREA 2 PHASE B
STREET LIGHT AND TRAFFIC CONTROL PLAN 7

MOHAVE COUNTY ARIZONA

SHEET SL7
39 OF 79 SHEETS
SCI PROJECT# 18-178.24-22

Stanley Consultants INC.
5820 S. Eastern Avenue, Suite 200
Las Vegas, Nevada 89119
(702) 369-6396 Fax (702) 369-9793
www.stanleygroup.com

SCALE (H) 1"=40'	
SCALE (V) N/A	
DRAWN BY GA	
CHECKED BY SH/DB	
DATE 04-12-06	

REV. NO.	DESCRIPTION	DRAWN BY	APPROVAL	DATE

Registered Professional Engineer — STEVEN A. HARDY — 15214 — Expires 12/31/07